| POSITION                  | INITIALS | ID NO. | DATE      |
|---------------------------|----------|--------|-----------|
| FEE DETERMINATION         | A.       |        |           |
| O.I.P.E. CLASSIFIER       | 12/      | 32     | 10/12     |
| FORMALITY REVIEW          | KD       | 1121   | 10-26-400 |
| RESPONSE FORMALITY REVIEW |          |        |           |

## INDEX OF CLAIMS

| ✓ Rejected                                     | N Non-elected  |
|--|----------------|
| = Allowed                                      | I Interference |
| <ul> <li>(Through numeral) Canceled</li> </ul> | A Appeal       |
| ÷ Restricted                                   | O Objected     |

|     |          | į        |              |                              |          |              | ÷        |              |  | •••••        | ••••     | ••••          | <br>•    | 1031     | 100       | Ju       |          |          |          | ٠        | •••••    | ••••     |          |          | •••••    | •••• | Obje          | cicu         |           |          |              |          |          |          |                 |               |  |
|-----|----------|----------|--------------|------------------------------|----------|--------------|----------|--------------|--|--------------|----------|---------------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|---------------|--------------|-----------|----------|--------------|----------|----------|----------|-----------------|---------------|--|
| [   | lai      |          | 8            | _                            |          |              | Dat      | e            |  |              |          |               | Cla      | Claim    |           |          |          |          |          | е        |          |          |          |          | C        | lair | n             |              | Date      |          |              |          |          |          |                 |               |  |
|     |          | Original | 1/24         | //                           |          |              |          | -            | ,  |              |          |               | Final    | Original |           |          |          |          |          |          |          |          |          |          | 1        |      | Cugura        |              |           |          |              |          |          |          |                 |               |  |
| -   | 4        | 2        | Y            | _                            | -        |              |          | Щ            | _  | Н            | 4        | 4             | Н        | 51<br>52 | 4         |          |          | -        | $\dashv$ | -        | -        |          | +        | -        | -        |      | 01<br>02      | ┢            | $\dashv$  | _        | $\dashv$     | $\dashv$ | _        | Щ        | <u> </u>        | _             |  |
| ŀ   | +        | 3        | 1            |                              |          |              | _        | Н            |  | Н            | $\dashv$ | $\dashv$      | H        | 53       | +         | -        |          |          | $\dashv$ |          | -        | -        | $\dashv$ |          | $\vdash$ |      | 23            | ╁            | $\exists$ | _        | $\dashv$     |          |          | Н        | H               | ┢             |  |
| +   | +        | 4        | Ŧ            |                              | Н        |              |          | Н            |  | Н            | $\dashv$ | $\dashv$      | Н        | 54       | +         | $\dashv$ | ᅥ        | _        | -        | 1        | ᅥ        |          | ┪        | $\dashv$ | F        | _    | 24            | ╁─╌          | Н         |          | -            |          |          | Н        | _               | <del> -</del> |  |
| r   | 7        | 5        | 1            |                              |          |              |          |              |  | П            | $\neg$   |               | П        | 55       |           | $\neg$   |          |          |          |          |          |          |          | 7        |          | _    | 25            | T            |           |          |              | П        |          |          | Г               |               |  |
| 5   |          | 6        | 7            |                              |          |              |          |              |  |              |          |               |          | 56       |           |          |          |          |          |          |          |          |          |          |          |      | )6            |              |           |          |              |          |          |          |                 |               |  |
| Ĺ   |          | 7        | $\mathbf{L}$ |                              |          |              |          |              |  |              |          |               |          | 57       |           |          | _        | _        |          |          |          |          | _        | _        | _        | 11   |               | _            |           |          |              |          |          |          |                 |               |  |
| Ļ   | 1        | 8        | L            |                              |          | Ц            |          | _            |  | Ш            | _        | _             | Ш        | 58       | 4         | 4        | 4        | $\perp$  | _        |          | -        |          |          | _        | L        |      | )8            | <u> </u>     |           |          |              | Ц        | _        | $\vdash$ |                 | _             |  |
| 1   | 4        | 9        | ╀            |                              | Α.       |              |          | Ш            |  |              | $\dashv$ | $\dashv$      | Н        | 59       | -         | $\dashv$ | $\dashv$ |          | -        |          |          |          | -+       | -        | -        | 10   | _             | <del> </del> |           |          |              | $\dashv$ | _        | $\vdash$ | $\vdash \vdash$ | $\vdash$      |  |
|     |          | 10<br>11 | -            |                              |          | H            |          | Н            |  | Н            | $\dashv$ | -             | $\vdash$ | 61       | -         | $\dashv$ |          | $\dashv$ | $\dashv$ | -i       | -        | -        | $\dashv$ | $\dashv$ | H        | 1    | 11            | ╁╌           | Н         | _        | $\dashv$     | $\dashv$ | -        | $\vdash$ | $\vdash$        | <u> </u>      |  |
|     |          | 12       | H            |                              | e 1      | Н            | $\vdash$ | Н            |  | -            |          | $\dashv$      | Н        | 62       | $\dashv$  | -        | $\dashv$ | $\vdash$ | _    | 12            | ╁            | Н         |          |              | -        | -        | $\vdash$ |                 | ┢             |  |
| H   |          | 13       | +            | -                            | Н        | H            |          | H            |  | H            | $\dashv$ | $\dashv$      | H        | 63       | 7         | -        | $\dashv$ | $\dashv$ | -        |          |          |          | $\dashv$ | $\dashv$ | <b> </b> | _    | 13            | †            | H         |          |              | -        | $\dashv$ |          |                 | _             |  |
| ۲   |          | 14       | 1            | H                            | Н        | П            |          | Н            | П  | Н            |          |               | Н        | 64       | 7         | _        |          | $\neg$   |          |          | $\neg$   |          | +        |          |          | _    | 14            | 1            |           |          | $\dashv$     |          | $\neg$   |          | Н               | Г             |  |
| ٢   |          | 15       | Τ            |                              | П        |              |          |              |  |              |          |               |          | 65       | J         |          |          |          |          |          |          |          |          |          |          | 1    | 15            | $L^{-}$      |           |          |              |          |          |          |                 |               |  |
| . [ |          | 16       | 12           | ī.                           |          |              |          |              |  |              |          |               | -        | 66       |           |          |          |          |          |          |          |          |          |          | . C      |      | 16            |              |           |          |              |          | ·        |          |                 |               |  |
| Ľ   | Н        | 17)      |              |                              | Ŀ        |              |          |              |  |              |          |               | Ш        | 67       |           |          |          | _        |          |          |          |          | _        | _        | _        | 1    | _             | L            |           |          |              |          |          |          | Ш               | L             |  |
| ŀ   | _        | 18       | L            |                              |          |              |          | Ш            |  |              |          | $\dashv$      | Ш        | 68       | _         | 4        | _        | $\dashv$ |          |          | _        |          | _        | 4        | L        | _    | 18            | <u> </u>     | $\Box$    |          |              |          | _        |          | لبر             | _             |  |
| L   | 4        | 14       | 1            | $ldsymbol{ldsymbol{\sqcup}}$ | Щ        | Щ            |          | Щ            |  | Щ            | _        | 4             | $\vdash$ | 69       | 4         |          | -        |          | _        | _        |          |          |          | 4        | -        |      | 19            | ļ            |           |          |              |          | _        |          | Ц               | <u> </u>      |  |
| L   |          | 20       | ┸            | L                            | Ŀ        |              | _        |              |  | Ш            | _        | _             | Ш        | 70       | _         | _        | _        | _        |          |          | -        | _        | 4        | _        | <u> </u> | _    | 20            | _            |           |          |              | _        | _        |          | $\square$       | _             |  |
| ŀ   |          | 21       | +            | 47                           |          |              | -        | Ш            | _  | -            | $\dashv$ | $\dashv$      | Н        | 71       | -         | $\dashv$ | $\dashv$ | _        |          | -        | -1       | -1       | -        | -        | ` -      | _    | 21            | -            | -         |          |              |          | -        |          | H               | <del> </del>  |  |
| ŀ   | +        | 22<br>23 | +            | $\vdash$                     | H        | $\vdash$     | H        | -            | -  | $\vdash$     |          |               | Н        | 72<br>73 | $\dashv$  | $\dashv$ | -        |          |          |          |          |          | $\dashv$ | $\dashv$ | -        | 12   | 23            | <b>!</b>     | $\dashv$  |          | $\dashv$     |          | -        |          | Н               | -             |  |
| 1   |          | 24       | ÷            | -                            |          | $\vdash$     |          | Н            | -  | Н            | $\dashv$ | ᅱ             | Н        | 74       | $\dashv$  | ᅱ        | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ | .        | $\dashv$ | $\dashv$ | -        |      | 24            | -            | $\dashv$  |          |              |          | $\dashv$ | $\dashv$ | $\dashv$        | -             |  |
| 1   | _        | 25       | $^{+}$       | ┢                            | -        | ┢            | $\vdash$ | $\vdash$     |  | H            | $\dashv$ | $\dashv$      | H        | 75       | 寸         |          | ┪        |          |          | -        |          |          | -+       | $\dashv$ | <b>-</b> | -    | 25            | -            | $\dashv$  | _        |              | _        |          | $\neg$   | $\sqcap$        |               |  |
| +   |          | 26       | †            |                              |          |              | Н        |              |  | Н            |          | ╛             | П        | 76       | $\exists$ | ┪        | T        |          |          |          |          |          | _        | ┪        | -        | 12   | $\overline{}$ |              |           |          |              |          |          |          | П               | Г             |  |
| T   | 1        | 27       | 1            |                              |          |              |          |              |  | П            | 7        |               |          | 77       |           |          |          | 一        |          |          |          |          | _        |          |          |      | 27            | T            |           | -        |              |          |          |          |                 |               |  |
|     | 1        | 28       |              |                              |          |              |          |              |  |              |          |               |          | 78       |           |          |          | $\Box$   |          |          |          |          |          |          |          |      | 28            |              |           |          |              |          |          |          |                 |               |  |
|     | _        | 29       |              |                              |          |              |          |              |  |              |          |               | Ш        | 79       |           |          |          | _        |          | _        |          |          |          | _        | L        | 12   |               | ļ            | Ш         |          |              |          | _        |          | لـــا           | _             |  |
| -   | _        | 30       | 4            | _                            | _        | L            |          |              | <u> </u>   | _            | _        | _             |          | 80       | _         |          |          | _        |          | _        | _        |          |          | _        | L        | 13   |               | _            |           |          |              |          |          | $\Box$   | لـــا           | _             |  |
| -   |          | 31       | ¥            | <u> </u>                     | _        | _            | ┡        | H            |  |              |          | _             |          | 81<br>82 |           | -        | -        | $\dashv$ | $\dashv$ |          | _        |          | $\dashv$ | 4        | -        | 1:   | 31<br>32      | -            |           |          | $\dashv$     | -        | -        |          | Ш               | -             |  |
| 悻   |          | 32<br>33 | ×            | ┈                            | -        |              | -        |              | -  | $\vdash$     |          | -             |          | 83       | $\dashv$  | $\dashv$ | -        |          |          |          | $\dashv$ | -        | +        | -        | H        |      | 33            | -            | $\dashv$  |          | $\dashv$     | -        |          |          | $\vdash$        | $\vdash$      |  |
| ŀ   |          | 34       |              | $\vdash$                     | -        | ┢            | $\vdash$ | -            | $\vdash$   | $\vdash$     |          | $\dashv$      |          | 84       | $\dashv$  | -        | -        | -        | $\dashv$ | $\dashv$ |          | -        | $\dashv$ | $\dashv$ | -        |      | 34            | +            | Н         |          | $\dashv$     |          | _        | $\dashv$ |                 | _             |  |
| 1   |          | 35       | -            | 1                            | -        | 1            | $\vdash$ |              | $\vdash$   |              | $\vdash$ | $\dashv$      |          | 85       | 7         | ᅱ        |          |          |          | $\dashv$ | $\dashv$ |          | +        | $\dashv$ |          |      | 35            | T            | -         |          | $\vdash$     | $\dashv$ | $\dashv$ | $\neg$   | $\sqcap$        |               |  |
| 1   |          | 36       |              | $\vdash$                     | $\vdash$ | _            |          | Г            |  | П            | H        | $\exists$     |          | 86       | $\dashv$  | 7        |          |          |          |          |          |          | 1        |          |          | 1:   | 36            |              |           |          | $\sqcap$     |          |          |          |                 |               |  |
|     |          | 37       |              |                              |          |              |          |              |  |              |          |               |          | 87       |           |          |          |          |          |          |          |          |          |          |          | 13   | 37            |              |           |          |              |          |          |          |                 |               |  |
|     |          | 38       |              |                              |          |              |          |              |  |              |          |               |          | 88       |           |          |          |          |          |          | $\Box$   |          | $\Box$   |          |          |      | 38            |              |           |          |              |          |          |          | $\square$       |               |  |
|     | _        | 39       | ļ            | L                            | <u> </u> | $oxed{\Box}$ | _        | _            | _  | L            | Ш        |               |          | 89       | $\perp$   |          |          | Ц        | Ш        | _        | _        |          | _        | _        | L        | _    | 39            | _            | Ш         |          | Ш            |          |          | Щ        | لـــا           | <u> </u>      |  |
| L   | $\Box$   | 40       |              | <u> </u>                     | L        | L            | L        | <u> </u>     | _  | _            | Ш        |               |          | 90       | _         |          |          |          |          |          |          |          | _        | _        | L        | 1    | 10            | _            |           | L        | Щ            |          |          |          | Ш               | _             |  |
| L   |          | 41       | <u> </u>     | ļ                            | <u> </u> | L            | L        | L            | _  | $oxed{\bot}$ | Ц        |               | $\vdash$ | 91       | _         | _        |          | Ш        |          | Ц        |          |          | $\dashv$ | _        | L        | 1    | 41<br>42      | 1_           | Щ         |          | Ш            |          |          | Щ        | Ш               | <u> </u>      |  |
| ļ   | 4        | #2       | <u> </u>     | 1                            | 1        | <u> </u>     | L        | <u> </u>     | _  | <u> </u>     | Щ        |               | <u></u>  | 92       | _         |          |          | Ц        |          |          |          | _        | $\dashv$ | 4        | L        |      |               | <del> </del> | Щ         | _        | Щ            | _        | _        | Щ        |                 | <u> </u>      |  |
| ŀ   | _        | ¥3       | <u> </u>     | $\vdash$                     | -        | -            | -        | -            | -  | ├-           | $\vdash$ | $\vdash \mid$ | $\vdash$ | 93       | -         |          | <u> </u> | Щ        | _        |          |          |          | $\dashv$ |          | -        |      | 43            | $\vdash$     |           | _        | Н            |          | _        | Н        | <u> </u>        | -             |  |
| ŀ   | -        | 44<br>45 | -            | ┼                            | $\vdash$ | -            | -        | $\vdash$     | -  | -            |          | $\dashv$      | -        | 94<br>95 | $\dashv$  |          | H        | $\vdash$ | $\vdash$ | _        | _        | $\vdash$ | $\dashv$ |          | $\vdash$ |      | 44<br>15      | +-           | $\vdash$  | $\vdash$ | <del> </del> |          | _        | $\vdash$ | $\vdash$        | $\vdash$      |  |
| ŀ   | -        | 46       | -            | $\vdash$                     | $\vdash$ | $\vdash$     | +        | +-           | <del>                                     </del> | +-           | $\vdash$ | $\dashv$      | $\vdash$ | 96       | $\dashv$  |          | Н        | $\vdash$ | Н        | Н        | H        | $\dashv$ | $\dashv$ | $\dashv$ | -        |      | 16            | -            | H         | -        |              | -        | _        | $\vdash$ |                 | $\vdash$      |  |
| +   | $\dashv$ | 47       | $\vdash$     | $\vdash$                     | 1        | <del> </del> | +        | <del> </del> | -  | $\vdash$     |          |               |          | 97       | -         | _        |          | $\vdash$ | -        | Н        |          |          | $\dashv$ | $\dashv$ |          | 1    | 47            | 1            | -         | _        |              | -        |          | Н        | $\Box$          | _             |  |
|     | $\neg$   | 48       | Ι-           | T                            | $\vdash$ | $\vdash$     | t        | $\vdash$     | Т  | 1            | П        | Н             |          | 98       |           |          | $\vdash$ | Н        | П        | П        |          |          | -        | $\dashv$ |          |      | 48            | 1            |           | $\vdash$ | П            |          |          | П        |                 |               |  |
|     |          | 49       |              |                              |          |              |          |              |  |              |          |               |          | 99       |           |          |          |          |          |          |          |          |          |          |          | 1    | 49            |              |           |          |              |          |          |          |                 |               |  |
|     |          | 50       |              |                              |          | 匚            |          | L            | Ľ  |              |          |               |          | 100      | I         |          |          | $\Box$   |          |          |          |          |          | _]       |          |      | 50            |              |           |          |              |          |          |          |                 | <u> </u>      |  |

If more than 150 claims or 10 actions staple additional sheet here

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